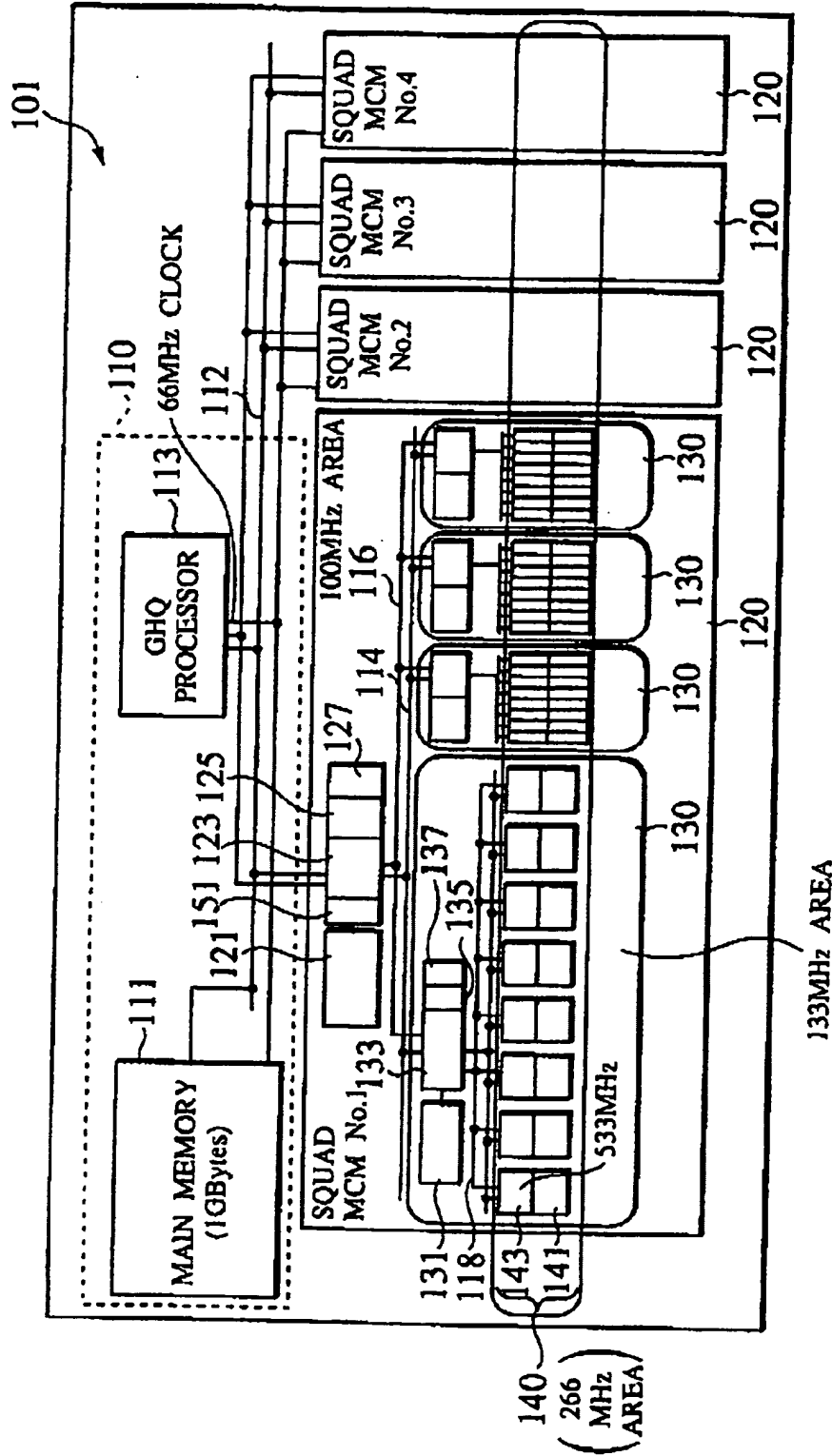


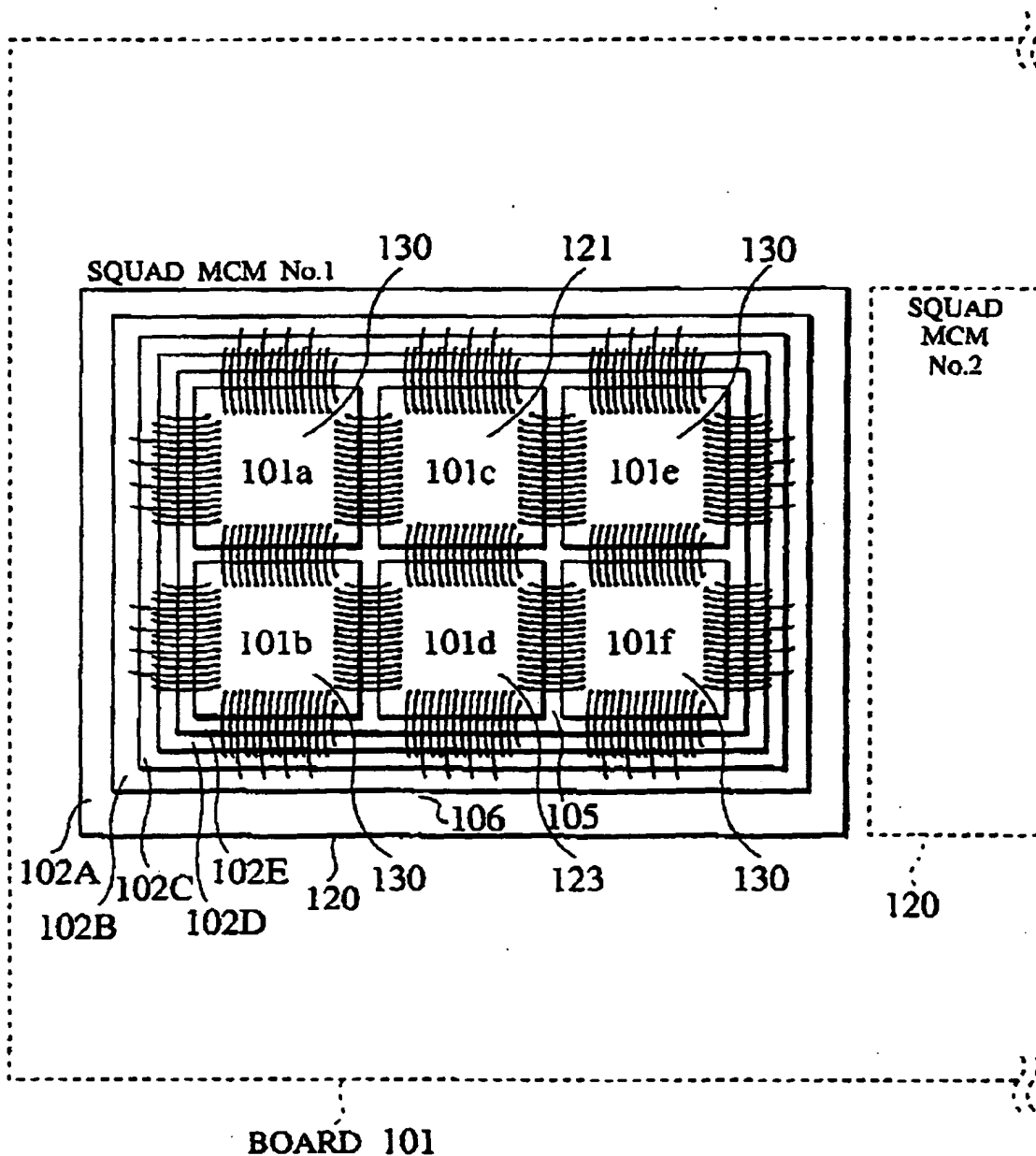
1/8

FIG. 1



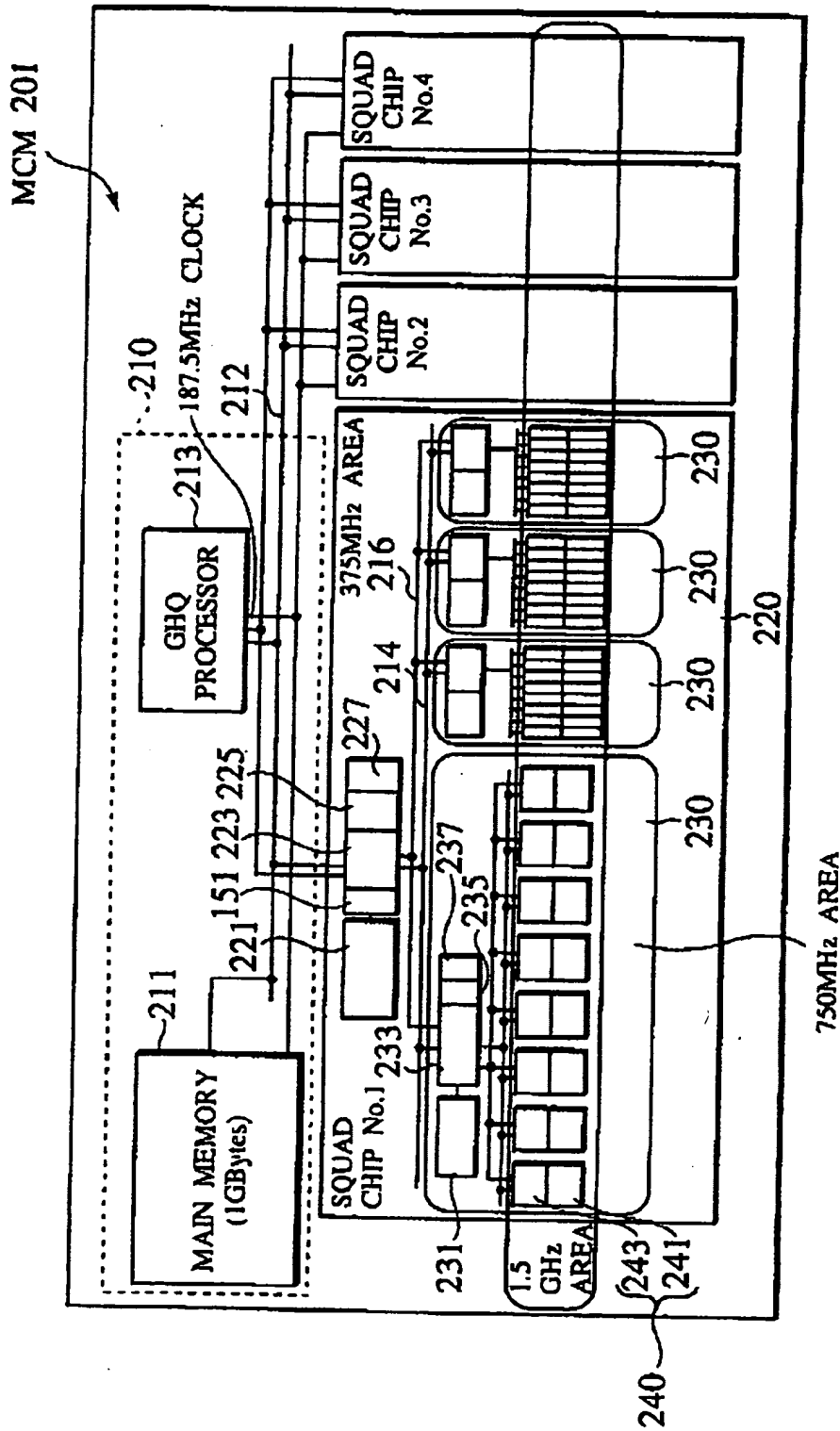
2/8

FIG.2



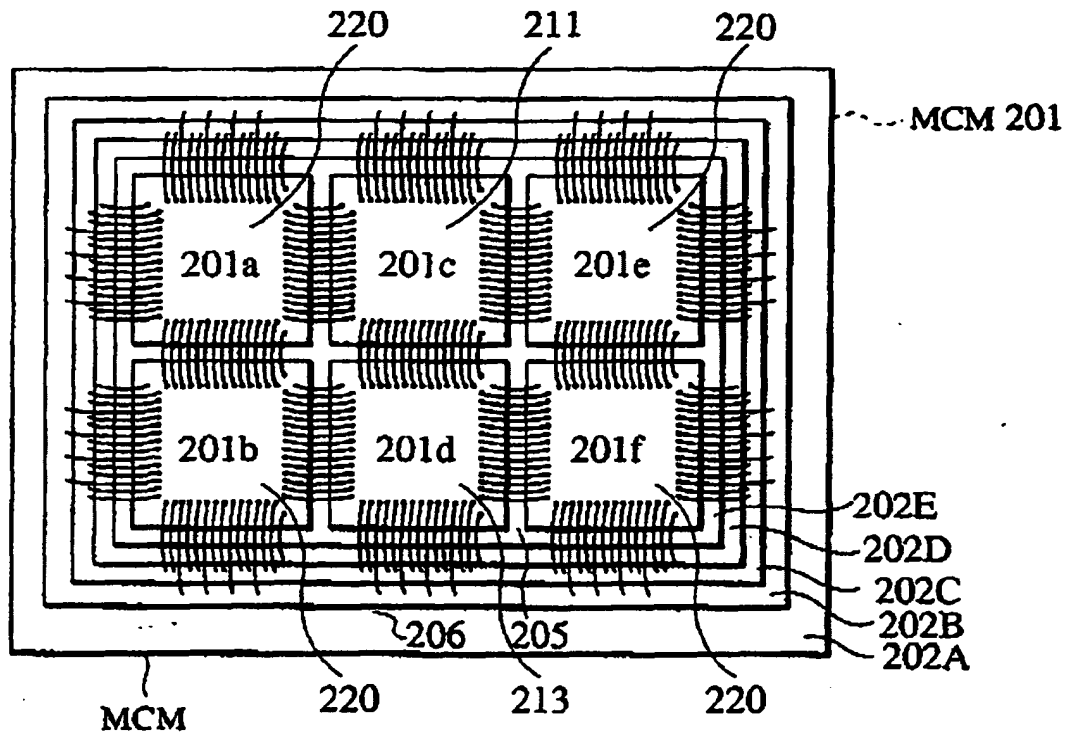
3/8

FIG.3



4/8

FIG.4



5/8

FIG.5

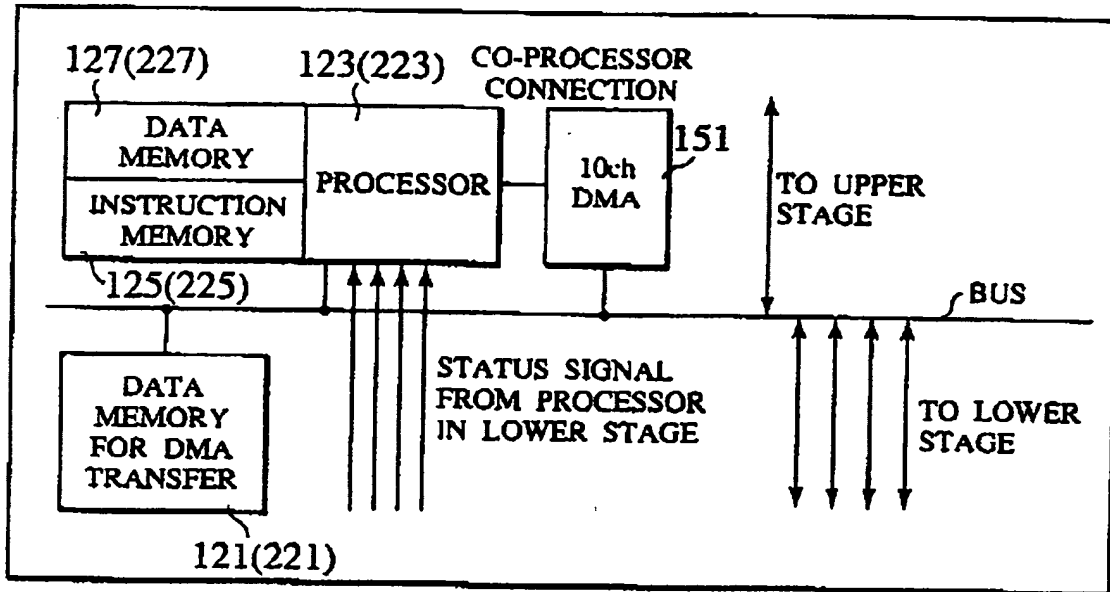
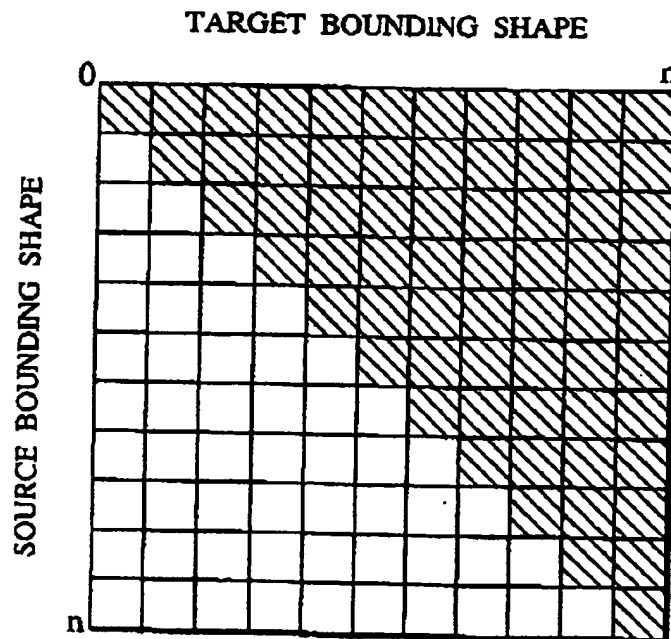


FIG.6



6/8

FIG.7

TARGET BOUNDING SHAPE

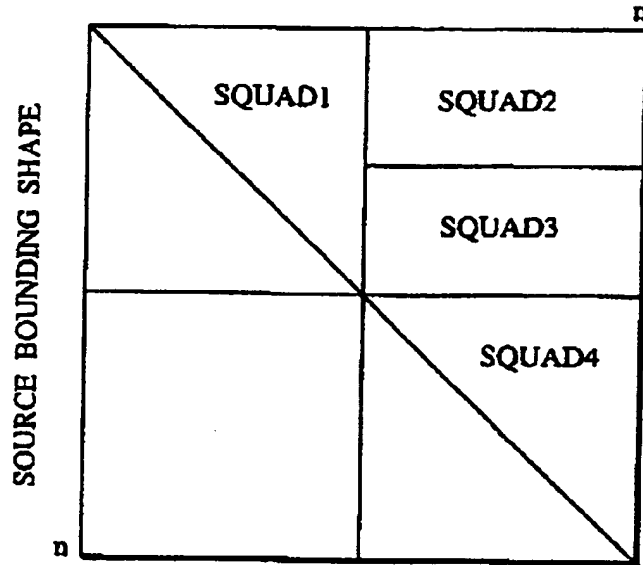
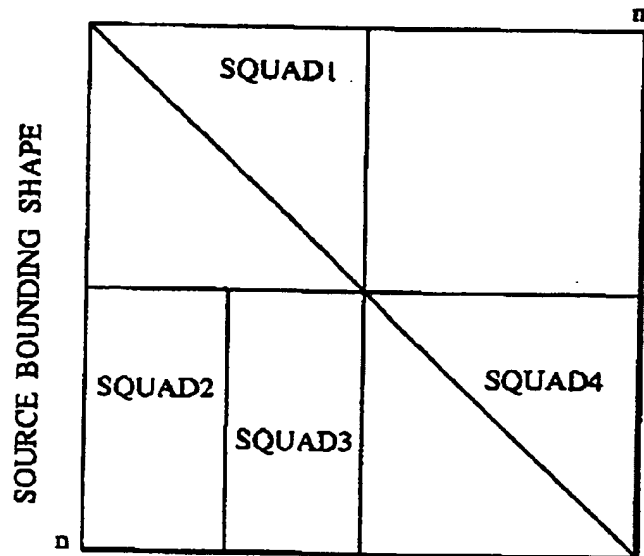


FIG.8

TARGET BOUNDING SHAPE



7/8

FIG.9

	COLLISION DECISION (PRIOR ART)	COLLISION DECISION (PRESENT INVENTION)
TOTAL PERFORMANCE	COLLISION DECISION IN 69.8G times/sec 50,000 b.s./frame	COLLISION DECISION IN 69.8G times/sec 50,000 b.s./frame
REQUIREMENT FOR MAIN MEMORY SIZE	1.6MBytes	1.6MBytes
REQUIREMENT FOR SQUAD MEMORY SIZE	1.6MBytes	1.6MBytes
REQUIREMENT FOR FLIGHT MEMORY SIZE	0Byte	580KBytes
REQUIREMENT FOR FIGHTER MEMORY SIZE	0Byte	32KBytes
REQUIREMENT FOR BAND WIDTH OF SQUAD BUS	560GBytes/sec	139.2MBytes/sec
REQUIREMENT FOR BAND WIDTH OF FLIGHT BUS	140GBytes/sec	1GBytes/sec

8/8

FIG. 10A

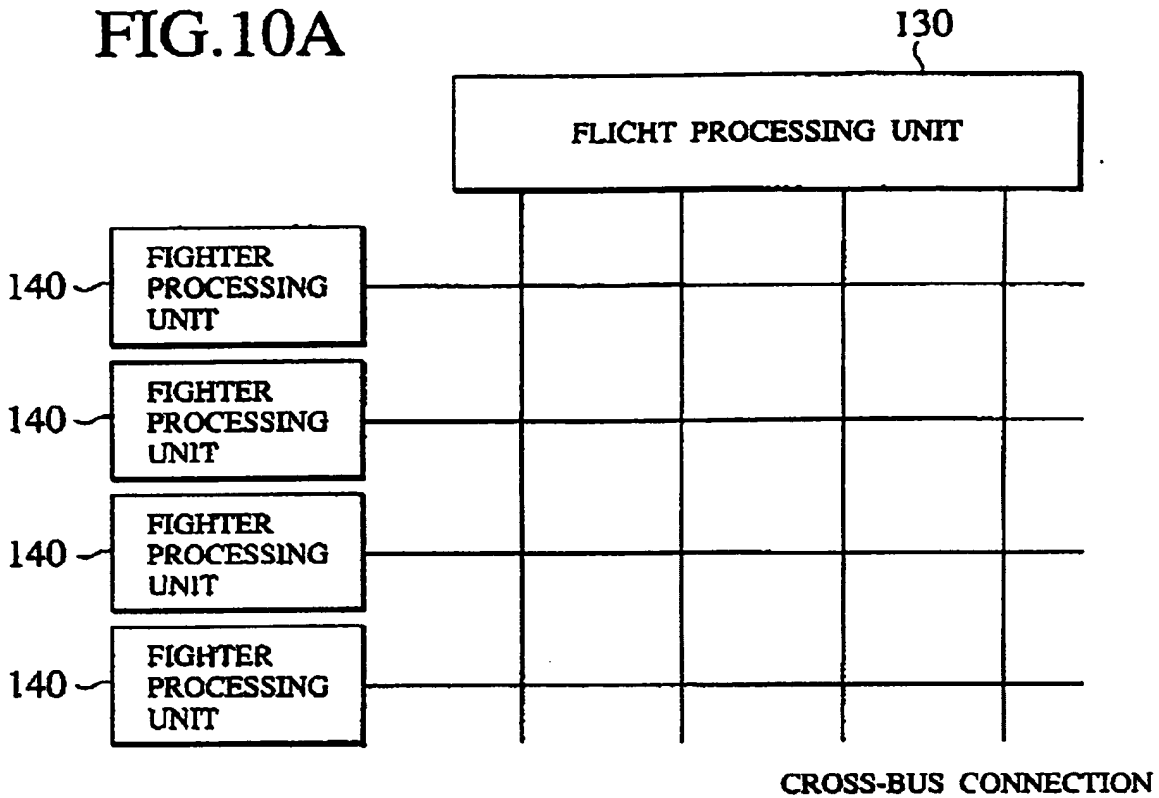


FIG. 10B

